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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,475	07/25/2006	Oleg Grudin	14836-14US AD/bps	9499
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OGILVY RENAULT LLP 1981 MCGILL COLLEGE AVENUE SUITE 1600 MONTREAL, QC H3A2Y3 CANADA			PHAN, THIEM D	
ART UNIT	PAPER NUMBER		3729	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/564,475	Applicant(s) GRUDIN ET AL.
	Examiner THIEM PHAN	Art Unit 3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 13 January 2006.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-49 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) _____ is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) 1-49 are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____

5) Notice of Informal Patent Application
 6) Other: _____

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicants are required, in reply to this action, to elect a single invention to which the claims must be restricted. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

- Group I, claims 1-25, drawn to a method for adjusting an output parameter of a circuit, with a special technical feature of trimming a temperature coefficient of resistance, which is lacking in Group II;
- Group II, claims 26-49, drawn to an apparatus for adjusting an output parameter of a circuit, with a special technical feature of applying heating cycles, which is lacking in Group I.

2. Restriction for examination purposes as indicated is proper because all these inventions listed in this action are independent or distinct for the reasons given above and there would be a serious search and examination burden if restriction were not required because one or more of the following reasons apply:

(a) the inventions have acquired a separate status in the art in view of their different classification;

- (b) the inventions have acquired a separate status in the art due to their recognized divergent subject matter;
- (c) the inventions require a different field of search (for example, searching different classes/subclasses or electronic resources, or employing different search queries);
- (d) the prior art applicable to one invention would not likely be applicable to another invention;
- (e) the inventions are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112, first paragraph.

3. If applicants elect the invention of Groups I or II, a further Restriction is required. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1 and because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons:

Group I:

Species I-A: an embodiment of a method for adjusting an output parameter of a circuit with the limitation of repeating steps (b) and (c) as many times as necessary, Claim 2, which is lacking in Species I-B to E;

Species I-B: an embodiment of a method for adjusting an output parameter of a circuit with the limitation of a sequence of heat pulses, Claims 3-11, which is lacking in Species I-A, C to E;

Species I-C: an embodiment of a method for adjusting an output parameter of a circuit with the limitation of a component or semiconductor device, Claims 12 and 25, which is lacking in Species I-A, B, D and E;

Species I-D: an embodiment of a method for adjusting an output parameter of a circuit with the limitation of trimming to cause a change, Claims 13 and 14, which is lacking in Species I-A to C and E;

Species I-E: an embodiment of a method for adjusting an output parameter of a circuit with the limitation of a voltage reference circuit, Claims 15-24, which is lacking in Species I-A to D.

Group II:

Species II-A: an embodiment of an apparatus for adjusting an output parameter of a circuit with the limitation of heating, Claims 27-29, which is lacking in Species II-B to F;

Species II-B: an embodiment of an apparatus for adjusting an output parameter of a circuit with the limitation of a semiconductor or chip component, Claims 30 and 31, which is lacking in Species II-A and C to F;

Species II-C: an embodiment of an apparatus for adjusting an output parameter of a circuit with the limitation of a voltage regulator with thermally trimmable resistor, Claims 32-41, which is lacking in Species II-A, B and D to F;

Species II-D: an embodiment of an apparatus for adjusting an output parameter of a circuit with the limitation of a voltage regulator with the further output

parameter, Claims 42 and 43, which is lacking in Species II-A to C, E and F;

Species II-E: an embodiment of an apparatus for adjusting an output parameter of a circuit with the limitation of the temperature coefficient resistance, Claims 44 and 45, which is lacking in Species II-A to D and F;

Species II-F: an embodiment of an apparatus for adjusting an output parameter of a circuit with the limitation of a voltage regulator with a micro-platform, Claims 46-49, which is lacking in Species II-A to E.

4. This application contains claims directed to the following patentably distinct species: I-A to I-E and II-A to II-F. These species are independent or distinct because the claims to the different species recite the mutually exclusive characteristics of such species. In addition, these species are not obvious variants of each other based on the current record.

Applicants are required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, it appears that claim 1 is generic for Invention/Group I and claim 26 is generic for Invention/Group II.

There is an examination and search burden for these patentably distinct species due to their mutually exclusive characteristics. The species require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search queries); and/or the prior art applicable to one species would not likely be applicable to another

species; and/or the species are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112, first paragraph.

Upon the allowance of a generic claim, applicants will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.

Since the Restriction Requirement is complex and the examiner knows from past experience that a telephone election will not be made, therefore there is no phone call to the applicants and the examiner proceeds directly to a written restriction requirement.

5. Applicants are advised that the reply to this requirement to be complete must include (i) an election of an invention or species to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention or species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election of the invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of invention or species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added

after the election, applicants must indicate which of these claims are readable on the elected invention or species.

Should applicants traverse on the ground that the inventions or species are not patentably distinct, applicants should submit evidence or identify such evidence now of record showing the invention or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the invention or species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other inventions or species.

Applicants are reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim Phan whose telephone number is 571-272-4568. The examiner can normally be reached on M & Tu, 6AM - 2PM, and W & Th, 9AM – 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Phan Thiem/

Tim Phan
Examiner
Art Unit 3729

June 3, 2008